



PK205 (v1.2) November 22,
2012

100% Material Declaration Data Sheet PC20

Average Weight: 0.6810g

Component	Substance Description	CAS# or Description	% of Component	Use in Product	Component Weight/ Substance Weight (in grams)	Component % of Total
Silicon Die					0.005380	0.790
	Silicon	7440-21-3	100.00	Silicon IC	0.005380	
Die attach material					0.001927	0.283
	Epoxy Resin	Trade Secret	25.00	Glue	0.000482	
	Silver	7440-22-4	75.00	Glue	0.001445	
Mold Compound					0.475841	69.870
	Silica	60676-86-0	86.00	Encapsulation	0.409223	
	Epoxy Resin	Trade Secret	7.50	Encapsulation	0.035688	
	Carbon Black	1333-86-4	0.50	Encapsulation	0.002379	
	Epoxy Cresol Novolac	29690-82-2	2.00	Encapsulation	0.009517	
	Phenolic Resin	Trade Secret	4.00	Encapsulation	0.019034	
Lead Frame					0.186398	27.370
	Copper	7440-50-8	97.50	Base Metal	0.181738	
	Iron	7439-89-6	2.35	Base Metal	0.004380	
	Phosphorus	7723-14-0	0.03	Base Metal	0.000056	
	Zinc	7440-66-6	0.12	Base Metal	0.000224	
Lead Frame Plating					0.000830	0.122
	Silver	7440-22-4	100.00	Base Metal	0.000830	
Gold Wire					0.000560	0.082
	Gold	7440-57-5	100.00	Wire	0.000560	
External Plating					0.010100	1.483
	Tin	7440-31-5	85.00	Base Metal	0.008585	
	Lead	7439-92-1	15.00	Base Metal	0.001515	

Revision History

The following table shows the revision history for this document.

Date	Version	Description of Revisions
10/05/06	1.0	Initial Release
01/16/12	1.1	CAS# Update
11/22/12	1.2	Updated component weights

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